PWS Questions and Our Responses

- Now that we have the third boiler, how much ash do we currently have (in total) and how much are we producing per year? Based on FY '13 figures, ash tonnage production was: for the old boilers (1 & 2) 65,059; and for the third boiler 58,657; for a total of 123,716.
- What are our projections for the amount of ash we will produce 10, 20, 30+ years out based on our municipal solid waste plan? Based on our municipal solid waste plan, our projection is that we will be producing 153,000 tons of ash 10 years from now; 193,000 tons of ash 20 years from now; and 233,000 tons of ash 30 years from now.
- What are the plans for managing the ash byproduct in the future? The City is eagerly awaiting technology that will treat the ash so as to change its physical and/or chemical composition so as to reduce the concentrations of lead, cadmium and arsenic, which pose risks to human health and the environment. DOH has established limits for such concentrations for beneficial ash re-use, and until the concentrations have been reduced, DOH will not consider allowing beneficial ash re-use, including as fill for roads.
- What is the City's cost per year to manage WGSL regarding the ash stream? The current City cost for land filling the H-POWER ash is approximately \$800,000 per year.
- What are we doing regarding alternative methods for disposing or recycling the ash? We issued an Ash Beneficial Re-use RFP in 2009. Only 1 proposal was received, and as it did not comply with the RFP requirements, it was disqualified. The City is eagerly awaiting technology that will be able to treat the ash so that it could be recycled/re-used.
- With the new boiler, has the ash produced changed at all in characterization? Have we gone back to DOH on their earlier assertion that the lead content in the ash is too high for the consumer use? Our HPOWER contractor submits an Ash Sampling Report to DOH every quarter, Based on the last report, the ash characterization has not changed with the addition of the third boiler. Consequently, there is no basis for the City to approach DOH regarding beneficial ash re-use.
- What can CM Chang do as the chair of PWS to give ENV the tools to address long term sustainability regarding the ash stream? At this point in time, EPA has not allowed re-use of ash anywhere in the country because current technology is unable to change the chemical composition of the ash so that DOH or EPA will allow beneficial re-use.

PWS